

Review

Part 3

Name:

Name: _____

Adding Fractions

with the Same Denominator, Requires Simplifying

$$\begin{array}{r} \frac{1}{6} \\ + \frac{2}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{6} \\ + \frac{2}{6} \\ \hline \frac{3}{6} \end{array}$$

same

$$\begin{array}{r} \frac{1}{6} \\ + \frac{2}{6} \\ \hline \frac{3}{6} \end{array}$$

$$\begin{array}{r} \frac{1}{6} \\ + \frac{2}{6} \\ \hline \frac{3}{6} = \frac{1}{2} \end{array}$$

Add the fractions and simplify the answers.

a. $\begin{array}{r} \frac{2}{6} \\ + \frac{2}{6} \\ \hline \end{array}$

b. $\begin{array}{r} \frac{4}{8} \\ + \frac{2}{8} \\ \hline \end{array}$

c. $\begin{array}{r} \frac{1}{4} \\ + \frac{1}{4} \\ \hline \end{array}$

d. $\begin{array}{r} \frac{1}{8} \\ + \frac{1}{8} \\ \hline \end{array}$

e. $\begin{array}{r} \frac{1}{9} \\ + \frac{2}{9} \\ \hline \end{array}$

f. $\begin{array}{r} \frac{5}{12} \\ + \frac{3}{12} \\ \hline \end{array}$

g. $\begin{array}{r} \frac{5}{10} \\ + \frac{1}{10} \\ \hline \end{array}$

h. $\begin{array}{r} \frac{1}{8} \\ + \frac{3}{8} \\ \hline \end{array}$

i. $\begin{array}{r} \frac{1}{6} \\ + \frac{1}{6} \\ \hline \end{array}$

j. $\begin{array}{r} \frac{3}{10} \\ + \frac{2}{10} \\ \hline \end{array}$

k. $\begin{array}{r} \frac{1}{12} \\ + \frac{2}{12} \\ \hline \end{array}$

l. $\begin{array}{r} \frac{3}{9} \\ + \frac{3}{9} \\ \hline \end{array}$

m. $\begin{array}{r} \frac{5}{10} \\ + \frac{3}{10} \\ \hline \end{array}$

n. $\begin{array}{r} \frac{2}{6} \\ + \frac{1}{6} \\ \hline \end{array}$

o. $\begin{array}{r} \frac{5}{8} \\ + \frac{1}{8} \\ \hline \end{array}$

p. $\begin{array}{r} \frac{1}{9} \\ + \frac{5}{9} \\ \hline \end{array}$

q. $\begin{array}{r} \frac{3}{12} \\ + \frac{1}{12} \\ \hline \end{array}$

r. $\begin{array}{r} \frac{4}{10} \\ + \frac{2}{10} \\ \hline \end{array}$

s. $\begin{array}{r} \frac{2}{8} \\ + \frac{2}{8} \\ \hline \end{array}$

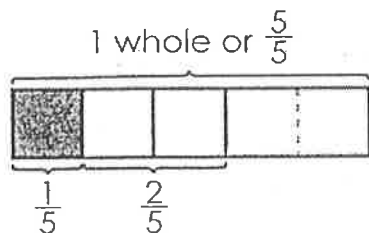
t. $\begin{array}{r} \frac{6}{12} \\ + \frac{3}{12} \\ \hline \end{array}$

Name: _____

Adding Fractions

with the Same Denominator, No Simplifying

$$\begin{array}{r} \frac{1}{5} \\ + \frac{2}{5} \\ \hline \frac{3}{5} \end{array}$$



$\begin{array}{r} \frac{1}{5} \\ + \frac{2}{5} \\ \hline \frac{3}{5} \end{array}$	$\begin{array}{r} \frac{1}{5} \\ + \frac{2}{5} \\ \hline \frac{3}{5} \end{array}$	$\begin{array}{r} \frac{1}{5} \\ + \frac{2}{5} \\ \hline \frac{3}{5} \end{array}$
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Diagram illustrating the addition of fractions with the same denominator. The first two columns show the addition of $\frac{1}{5}$ and $\frac{2}{5}$ to get $\frac{3}{5}$. The third column shows the addition of $\frac{1}{5}$ and $\frac{2}{5}$ to get $\frac{3}{5}$. A bracket labeled 'same' connects the denominators of the first two columns. Arrows indicate the result of the addition is $\frac{3}{5}$.

a.
$$\begin{array}{r} \frac{3}{6} \\ + \frac{2}{6} \\ \hline \end{array}$$

b.
$$\begin{array}{r} \frac{5}{8} \\ + \frac{2}{8} \\ \hline \end{array}$$

c.
$$\begin{array}{r} \frac{1}{4} \\ + \frac{2}{4} \\ \hline \end{array}$$

d.
$$\begin{array}{r} \frac{4}{7} \\ + \frac{2}{7} \\ \hline \end{array}$$

e.
$$\begin{array}{r} \frac{5}{9} \\ + \frac{2}{9} \\ \hline \end{array}$$

f.
$$\begin{array}{r} \frac{4}{12} \\ + \frac{3}{12} \\ \hline \end{array}$$

g.
$$\begin{array}{r} \frac{1}{9} \\ + \frac{3}{9} \\ \hline \end{array}$$

h.
$$\begin{array}{r} \frac{1}{8} \\ + \frac{4}{8} \\ \hline \end{array}$$

i.
$$\begin{array}{r} \frac{3}{5} \\ + \frac{1}{5} \\ \hline \end{array}$$

j.
$$\begin{array}{r} \frac{5}{10} \\ + \frac{2}{10} \\ \hline \end{array}$$

k.
$$\begin{array}{r} \frac{3}{7} \\ + \frac{2}{7} \\ \hline \end{array}$$

l.
$$\begin{array}{r} \frac{1}{3} \\ + \frac{1}{3} \\ \hline \end{array}$$

m.
$$\begin{array}{r} \frac{2}{9} \\ + \frac{3}{9} \\ \hline \end{array}$$

n.
$$\begin{array}{r} \frac{5}{11} \\ + \frac{5}{11} \\ \hline \end{array}$$

o.
$$\begin{array}{r} \frac{1}{10} \\ + \frac{6}{10} \\ \hline \end{array}$$

p.
$$\begin{array}{r} \frac{4}{9} \\ + \frac{3}{9} \\ \hline \end{array}$$

q.
$$\begin{array}{r} \frac{1}{8} \\ + \frac{2}{8} \\ \hline \end{array}$$

r.
$$\begin{array}{r} \frac{4}{11} \\ + \frac{5}{11} \\ \hline \end{array}$$

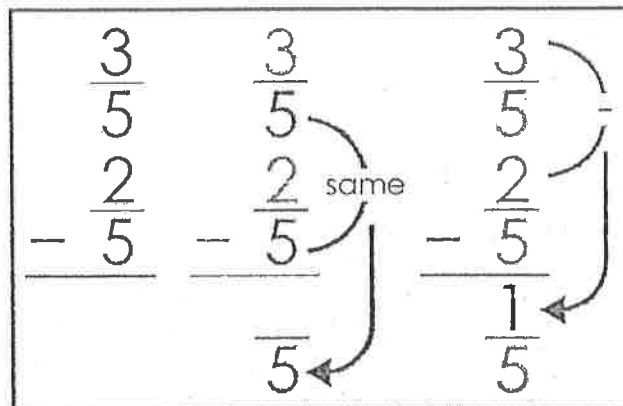
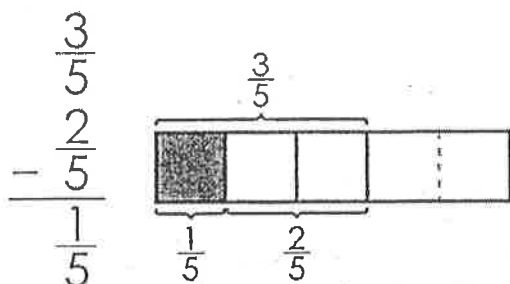
s.
$$\begin{array}{r} \frac{2}{12} \\ + \frac{3}{12} \\ \hline \end{array}$$

t.
$$\begin{array}{r} \frac{1}{7} \\ + \frac{1}{7} \\ \hline \end{array}$$

Name: _____

Subtracting Fractions

with the Same Denominator, No Simplifying



a. $\begin{array}{r} \frac{5}{6} \\ - \frac{4}{6} \\ \hline \end{array}$

b. $\begin{array}{r} \frac{7}{8} \\ - \frac{2}{8} \\ \hline \end{array}$

c. $\begin{array}{r} \frac{3}{4} \\ - \frac{2}{4} \\ \hline \end{array}$

d. $\begin{array}{r} \frac{6}{7} \\ - \frac{4}{7} \\ \hline \end{array}$

e. $\begin{array}{r} \frac{7}{9} \\ - \frac{5}{9} \\ \hline \end{array}$

f. $\begin{array}{r} \frac{8}{12} \\ - \frac{3}{12} \\ \hline \end{array}$

g. $\begin{array}{r} \frac{4}{9} \\ - \frac{2}{9} \\ \hline \end{array}$

h. $\begin{array}{r} \frac{5}{8} \\ - \frac{4}{8} \\ \hline \end{array}$

i. $\begin{array}{r} \frac{4}{5} \\ - \frac{1}{5} \\ \hline \end{array}$

j. $\begin{array}{r} \frac{9}{10} \\ - \frac{2}{10} \\ \hline \end{array}$

k. $\begin{array}{r} \frac{5}{7} \\ - \frac{3}{7} \\ \hline \end{array}$

l. $\begin{array}{r} \frac{2}{3} \\ - \frac{1}{3} \\ \hline \end{array}$

m. $\begin{array}{r} \frac{5}{9} \\ - \frac{4}{9} \\ \hline \end{array}$

n. $\begin{array}{r} \frac{10}{11} \\ - \frac{5}{11} \\ \hline \end{array}$

o. $\begin{array}{r} \frac{7}{10} \\ - \frac{6}{10} \\ \hline \end{array}$

p. $\begin{array}{r} \frac{7}{9} \\ - \frac{3}{9} \\ \hline \end{array}$

q. $\begin{array}{r} \frac{5}{8} \\ - \frac{2}{8} \\ \hline \end{array}$

r. $\begin{array}{r} \frac{9}{11} \\ - \frac{5}{11} \\ \hline \end{array}$

s. $\begin{array}{r} \frac{11}{12} \\ - \frac{4}{12} \\ \hline \end{array}$

t. $\begin{array}{r} \frac{3}{7} \\ - \frac{1}{7} \\ \hline \end{array}$

Name: _____

Subtracting Fractions

with the Same Denominator, Requires Simplifying

$$\begin{array}{r} \frac{3}{6} \\ - \frac{1}{6} \\ \hline \end{array}$$

same

$$\begin{array}{r} \frac{3}{6} \\ - \frac{1}{6} \\ \hline \frac{2}{6} \end{array}$$
$$\frac{2}{6} = \frac{1}{3}$$

Subtract the fractions and simplify the answers.

a. $\frac{8}{6}$
 $-\frac{2}{6}$

b. $\frac{6}{8}$
 $-\frac{2}{8}$

c. $\frac{3}{4}$
 $-\frac{1}{4}$

d. $\frac{3}{8}$
 $-\frac{1}{8}$

e. $\frac{5}{9}$
 $-\frac{2}{9}$

f. $\frac{11}{12}$
 $-\frac{3}{12}$

g. $\frac{7}{10}$
 $-\frac{1}{10}$

h. $\frac{7}{8}$
 $-\frac{3}{8}$

i. $\frac{3}{6}$
 $-\frac{1}{6}$

j. $\frac{8}{10}$
 $-\frac{3}{10}$

k. $\frac{7}{12}$
 $-\frac{4}{12}$

l. $\frac{8}{9}$
 $-\frac{2}{9}$

m. $\frac{9}{10}$
 $-\frac{1}{10}$

n. $\frac{5}{6}$
 $-\frac{2}{6}$

o. $\frac{7}{8}$
 $-\frac{1}{8}$

p. $\frac{7}{9}$
 $-\frac{1}{9}$

q. $\frac{8}{12}$
 $-\frac{4}{12}$

r. $\frac{8}{10}$
 $-\frac{2}{10}$

s. $\frac{5}{8}$
 $-\frac{1}{8}$

t. $\frac{11}{12}$
 $-\frac{2}{12}$

Name: _____

Adding Mixed Numbers

with the Like Denominators, Requires Simplifying

$$\begin{array}{r}
 3\frac{3}{8} \\
 + 2\frac{1}{8} \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 3\frac{3}{8} \\
 + 2\frac{1}{8} \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 3\frac{3}{8} \\
 + 2\frac{1}{8} \\
 \hline
 5\frac{4}{8}
 \end{array}
 \quad
 \begin{array}{r}
 3\frac{3}{8} \\
 + 2\frac{1}{8} \\
 \hline
 5\frac{4}{8}
 \end{array}
 \quad
 \begin{array}{r}
 3\frac{3}{8} \\
 + 2\frac{1}{8} \\
 \hline
 5\frac{4}{8} = 5\frac{1}{2}
 \end{array}$$

Diagram illustrating the addition of mixed numbers with like denominators. The first two columns show the initial addition of the whole numbers and the fractions separately. The third column shows the result of adding the whole numbers (3 + 2 = 5) and the fractions ($\frac{3}{8} + \frac{1}{8} = \frac{4}{8}$). The fourth column shows the final simplified result, where $\frac{4}{8}$ is simplified to $\frac{1}{2}$.

Add the fractions and simplify the answers.

a.
$$\begin{array}{r}
 5\frac{2}{6} \\
 + 4\frac{2}{6} \\
 \hline
 \end{array}$$

b.
$$\begin{array}{r}
 6\frac{1}{4} \\
 + 1\frac{1}{4} \\
 \hline
 \end{array}$$

c.
$$\begin{array}{r}
 3\frac{2}{10} \\
 + 5\frac{3}{10} \\
 \hline
 \end{array}$$

d.
$$\begin{array}{r}
 3\frac{2}{8} \\
 + 6\frac{4}{8} \\
 \hline
 \end{array}$$

e.
$$\begin{array}{r}
 3\frac{2}{9} \\
 + 1\frac{1}{9} \\
 \hline
 \end{array}$$

f.
$$\begin{array}{r}
 2\frac{3}{12} \\
 + 1\frac{1}{12} \\
 \hline
 \end{array}$$

g.
$$\begin{array}{r}
 1\frac{3}{10} \\
 + 5\frac{5}{10} \\
 \hline
 \end{array}$$

h.
$$\begin{array}{r}
 2\frac{3}{14} \\
 + 1\frac{3}{14} \\
 \hline
 \end{array}$$

i.
$$\begin{array}{r}
 1\frac{1}{6} \\
 + 4\frac{2}{6} \\
 \hline
 \end{array}$$

j.
$$\begin{array}{r}
 2\frac{1}{8} \\
 + 4\frac{1}{8} \\
 \hline
 \end{array}$$

k.
$$\begin{array}{r}
 2\frac{2}{9} \\
 + 3\frac{4}{9} \\
 \hline
 \end{array}$$

l.
$$\begin{array}{r}
 1\frac{3}{12} \\
 + 1\frac{3}{12} \\
 \hline
 \end{array}$$

m.
$$\begin{array}{r}
 6\frac{4}{10} \\
 + 2\frac{2}{10} \\
 \hline
 \end{array}$$

n.
$$\begin{array}{r}
 5\frac{6}{14} \\
 + 4\frac{4}{14} \\
 \hline
 \end{array}$$

o.
$$\begin{array}{r}
 1\frac{2}{12} \\
 + 7\frac{4}{12} \\
 \hline
 \end{array}$$

- p. Tom's family ate $1\frac{2}{8}$ apple pies.
 Susie's family ate $1\frac{4}{8}$ cherry pies.
 How much pie did both families eat?

Name: _____

In and Out Boxes

In and Out Boxes - Word Problems

- a. Adam is exactly 4 years older than Jen. Complete the table to show their ages.

Adam and Jen's Ages (Years)

Adam	5	7		15	
Jen			5		20

When Adam was 7 years old, how old was Jen? _____

When Jen was 5, how old was Adam? _____

Adam says when he turns 36, Jen will be 31. Is he correct? Explain.

- b. Bicycle Land is having a sale. There is a red tag on each bicycle to show its sale price. If customers want the bike assembled, they need to add \$9 to the sale price. Complete the table to show the price of the assembled and unassembled bikes.

Bicycle Land Sale Prices

Price of Bicycle	\$56	\$62		\$102	
Price of Assembled Bicycle			\$87		\$142

What is the price of an assembled bike that is marked \$62? _____

A bike has a tag on it that reads \$99. What would be the price if you wanted to include assembly of the bike? Explain how you found your answer.

Name: _____

In and Out Boxes

Fill in the empty boxes.

a.

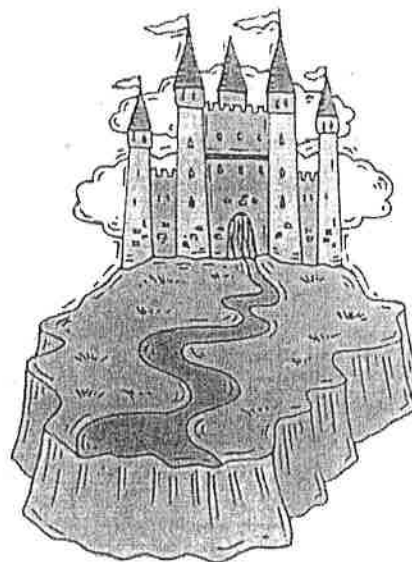
In	Out
1	0
3	
	4
7	

rule: subtract 1

b.

In	Out
0	5
3	
	15
15	

rule: add 5



c.

In	3	7		11
Out	5		10	

rule: add 2

d.

In	5	8	9	
Out	0			10

rule: subtract 5

e.

In	20	30		80
Out			40	

rule: subtract 10

f.

In		8	9	11
Out	9	12		

rule: add 4

Write the rule and fill in the empty boxes.

g.

In	3		8	13
Out	6	10	11	16

rule: _____

h.

In	3	6	7	
Out	1	4		8

rule: _____

Name: _____

In and Out Boxes: Measurement



Complete the tables below and answer the questions that follow.

yards	1	4	7	
feet				27

rule: multiply by 3

feet	1		3	10
inches	12	24		

rule: _____

a. How many feet are in 1 yard? _____

b. How many feet are in 36 inches? _____

c. How many yards are in 27 feet? _____

d. How many inches are in 3 feet? _____

★. How many feet are in 5 yards? _____

★. How many feet are in 48 inches? _____

Use the table below to answer the questions.

yards	1	2	3	4	5	6
inches	36	?	108	144	180	216

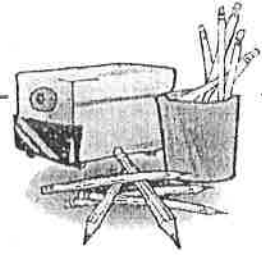
e. How many inches are in 5 yards? _____

f. How many inches are in 2 yards? _____

g. On the lines below, describe the rule you can use to find the number of inches in a given number of yards.

Name: _____

Fraction Word Problems



1. Matthew has 8 pencils. Three of them do not have erasers on the end. What fraction of the pencils do not have erasers of the end? answer:

2. Mitchell has a small bag with 12 M&Ms in it. 5 of the M&Ms are yellow. 2 are green. 1 is orange. 4 are brown. What fraction of the M&Ms are brown? answer:

3. Chelsea divided an apple into 8 equal pieces. She ate 5 pieces. She put the other 3 in the fridge. What fraction did Chelsea eat? answer:

4. Francis has 6 chocolate bars. He gives one to John and one to Chester. He keeps the rest for himself. What fraction of the chocolate bars did he give away? answer:

5. There are ten cookies in the cookie jar. 3 are Oreos. 2 are peanut butter cookies. 4 are chocolate chip cookies. 1 is a sugar cookie. What fraction of the cookies are peanut butter cookies? answer:

6. Hannah ordered a pizza. It was divided into 8 equal slices. Hannah ate two slices right away and another slice before bed. What fraction of the pizza did she eat? answer:

7. There are 11 paper clips in the drawer. 3 are gold. 8 are silver. What fraction of the paper clips are gold? answer:

8. There are 7 gloves in the lost & found box. There are 2 blue gloves, 3 green gloves, 1 black glove, and 1 brown glove. What fraction of the gloves are black? answer:

9. There are 9 buttons on Harry's shirt. 3 fall off. What fraction of the buttons fell off of Harry's shirt? answer:

10. Clint has a pizza that is cut into 4 equal pieces. 3 pieces have pepperoni on them. The other piece only has cheese. What fraction of the pizza only has cheese? answer:

11. Alley makes a sandwich. She puts jelly on a slice of bread. She puts peanut butter on another slice of bread. What fraction of the bread has jelly on it? answer:

12. Daniel has 6 erasers. He gives one to P.J. and he gives one to Ken. He keeps the rest. What fraction of his erasers did he give away? answer:

Name: _____

Word Problems 7

Skills: Subtracting (regrouping), Dozens, Comparing Numbers, Elapsed Time

Martha and Devin were playing Monopoly. Martha had \$2,450. She paid Devin \$500 because she landed on his property. How much money did Martha have left? *Show your work. Don't forget the dollar sign.*

Kris baked 2 dozen cupcakes. Don ate five. How many cupcakes did Kris have left? *Show your work and label your answer.*

Compare the numbers below. Use the symbols $<$, $>$, and $=$.

\$4.65 _____ \$5.64

3,901 _____ 3,091

45,123 _____ 54,321

80,008 _____ 8,888

32,456 _____ 6,998

7,543 _____ 13,129

Dan went to lunch at 3:25. He returned from lunch at 3:55. How many minutes was he at lunch? *Show your work and label your answer.*

Miguel walked to his grandfather's house. He left home at 4:55. He arrived at his grandfather's at 5:20. How many minutes did it take Miguel to walk from his home to his grandfather's?

Show your work and label your answer.

Name: _____

Word Problems 15

Skills: Time, Patterns, Multiplication (with pictures or basic facts)

Greg and Jan began watching a movie at 3:30. The movie ended at 4:45. How long was the movie?

Look at a clock with hands if you need help figuring this out.

_____ hours and _____ minutes long

Leah's dog, Belle, buried 5 bones in the backyard on Monday. On Tuesday, she buried 7 bones in the backyard. On Wednesday, she buried 9 bones. If the pattern continues, how many bones will Belle bury on Saturday? *Make a table to help you find your answer.*

Steven had two dozen fishing lures. His father had four dozen lures. How many lures did they have in all?

Show your work and label your answer.

There were 8 cars in the parking lot. Each car had 4 tires. How many tires were in the parking lot?

Show your work and label your answer.

There were six ice skaters on the ice rink. Each skater had two skates on. How many skates were there in all?

Show your work and label your answer.

Name: _____

Word Problems 6

Skills: Adding Money; Subtracting Money (regrouping zeros); Time

Writing numbers, Drawing pictures to solve basic multiplication

Heather goes to the grocery store and spends \$3.24 for pizza dough, \$2.85 for mozzarella cheese, and \$0.89 for a can of pizza sauce. How much did she spend in all?

Show your work. Don't forget the dollar sign and decimal point.

Ken goes to the store and buys a shirt that costs \$5.99. He gives the cashier a ten dollar bill. How much change will Ken receive?

Show your work. Don't forget the dollar sign and decimal point.

At 11:30 AM, Nick went to his friend's house. His mother told him to be back in two hours. At what time does Nick have to be home?

Don't forget to write AM or PM.

Write the number: seven hundred thousand, seventy

Write the number: six hundred thirty thousand, ninety-nine

A classroom has four rows of desks. There are eight desks in each row. How many desks are in the classroom?

Draw a picture to help you find your answer. Label your answer.

